

SYSTEMS, APPARATUS, AND METHODS FOR MOTOR CONTROL**ABSTRACT OF THE DISCLOSURE**

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Systems and methods are provided through which the current to a spindle motor of the recording medium of a mass storage device is modulated to avoid anomalies in the operation of mass storage device and reduce power consumption. In the example of a disc drive, the current is modulated to prevent expected or predicted disturbances in the air bearing between a read/write head and the recording medium, and to reduce the power consumption when no disturbances are predicted or expected.

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